



Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

SAMPE HONORS MANTECH'S DR. ABRAMS WITH FELLOW STATUS



The Society for the Advancement of Materials and Process Engineering (SAMPE) elected Dr. Frances L. Abrams, of the Materials and Manufacturing Directorate, as a Fellow of the society. The Fellow award represents prestigious recognition of a SAMPE member for distinguished contributions in the fields of materials and processes.



Air Force Research Laboratory
Wright-Patterson AFB OH

Materials and Manufacturing
Awards and Recognition

Accomplishment

SAMPE elected Dr. Abrams a Fellow of the society for her long history of exemplary public service to her country through the application of her knowledge in composite processes that improve, sustain, and decrease manufacturing costs of Air Force weapon systems. SAMPE considers her a role model for many of today's composite technology specialists. Induction of new Fellows takes place during the annual International SAMPE Symposium and Exhibition each May in Long Beach, California.

Background

Dr. Abrams, a senior engineer for the Manufacturing Technology (ManTech) Division, is one of the leading experts in the world in the processing of advanced composites. Government and industry experts hold Dr. Abrams in high regard for her work in phenolic (a resin) processing, as well as advanced ablative (a protective coating) and carbon-carbon propulsion materials and components. She served as a materials and process consultant to numerous Air Force and National Aeronautics and Space Administration systems, solving real-time process control issues.

She planned for, performed research in, and managed many of the leading composite materials and processing initiatives over the past two decades. Currently, Dr. Abrams is the program manager for the Department of Defense and industry's Composites Affordability Initiative's Systems Engineering Team, providing leadership and technical expertise to the Air Force, Navy, and the US airframe industry.

A native of Oregon, Dr. Abrams received her Bachelor of Science Degree in Chemistry from Colorado State University in 1975, a second Bachelor of Science Degree in Chemical Engineering from the University of Dayton (UD) in 1981, and completed her doctorate work in materials engineering from UD in 1995. Dr. Abrams began work with the directorate in 1979 under a co-op program for engineering students at UD and accepted a full-time position as a materials engineer with the laboratory in 1980.

For more information on composites, call the Technology Information Center at (937) 255-4689 and refer to item 02-574. To learn more about SAMPE, visit their web site at www.sampe.org.

Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (03-ML-24)